

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-9. (Canceled)

10. (New) A hydraulic control system for a mobile machine having a shovel retained on a boom that is pivoted by a boom cylinder, the shovel being pivoted by a shovel cylinder, and a transmitting member being operably connected to the shovel, the hydraulic control system comprising:

a shovel control unit configured to control the shovel cylinder;

a boom control unit configured to control the boom cylinder; and

an orientation control device configured to receive a position of the shovel from the transmitting member and transmit a hydraulic or electric signal indicative of the shovel position to the shovel control unit, the orientation control device comprising:

an control lever having a variable basic position and being in operative connection with the transmitting member such that both a downward pivoting of the shovel and an upward pivoting of the shovel from a target angular position results in a positional change of the control lever;

a spring assembly that connects the control lever with the transmitting member and a tensile spring assembly that connects the control lever with an actuation lever whereby a target position of the control lever may be adjusted by the actuation lever and the pivotal change of the shovel can be transferred to the control lever by the transmitting member; and

a pilot control device configured to convert the positional change of the control lever during the pivotal change of the shovel into an electric or hydraulic control signal for at least one of keeping the shovel in the target angular position, returning the shovel

to the target angular position, and resetting the control lever in a direction of a pre-set basic position of the control lever.

11. (New) The control system in accordance with claim 10, wherein the pilot control device comprises two control ports that are connected via signal lines to control ports of the shovel control unit.

12. (New) The control system in accordance with claim 10, wherein the shovel control unit comprises a shovel pilot control device with control ports that are connected via control lines to shuttle valves and signal lines connect the shuttle valves to control chambers of a shovel proportional valve such that a higher one of control pressures in the control chambers prevails.

13. (New) The control system in accordance with claim 10, wherein an end portion of the transmitting member that is linked to the spring assembly is mounted on a frame of a mobile machine by a movable bearing.

14. (New) The control system in accordance with claim 10, wherein a pressure port of the pilot control device is connected with a control oil pump or a tank via a switching valve.

15. (New) A hydraulic control system for a mobile machine having a shovel retained on a boom that is pivoted by a boom cylinder, the shovel being pivoted by a shovel cylinder, and a transmitting member being operably connected to the shovel, the hydraulic control system comprising:

a shovel control unit configured to control the shovel cylinder;

a boom control unit configured to control the boom cylinder; and

an orientation control device configured to receive a position of the shovel from the transmitting member and transmit a hydraulic or electric signal indicative of the shovel position to the shovel control unit, the orientation control device comprising:

an control lever having a variable basic position and being in operative connection with the transmitting member such that both a downward pivoting of the shovel and an upward pivoting of the shovel from a target angular position results in a positional change of the control lever;

a lever mechanism connects the control lever with the transmitting member and an actuation lever for adjusting the target position of the control lever, the lever mechanism being realized such that a target pivotal position of the control lever is adjusted through the intermediary of the actuation lever, and the control lever is adjusted when the shovel has been moved from the target angular position; and

a pilot control device configured to convert the positional change of the control lever during the pivoting movement of the shovel into an electric or hydraulic control signal for at least one of keeping the shovel in the target angular position, returning the shovel to the target angular position, and resetting the control lever in a direction of a pre-set basic position of the control lever.

16. (New) The control system in accordance with claim 15, wherein the pilot control device comprises two control ports that are connected via signal lines to control ports of the shovel control unit.

17. (New) The control system in accordance with claim 15, wherein the shovel control unit comprises a shovel pilot control device with control ports that are connected via control lines to shuttle valves and signal lines connect the shuttle valves to control chambers of a shovel proportional valve such that a higher one of control pressures in the control chambers prevails.

18. (New) The control system in accordance with claim 15, wherein an end portion of the transmitting member that is linked to the spring assembly is mounted on a frame of a mobile machine by a movable bearing.

19. (New) The control system in accordance with claim 15, wherein a pressure port of the pilot control device is connected with a control oil pump or a tank via a switching valve.